GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTAPOR™ HDPE 00880 | Porous Polymer Carrier

Product Description

GRAFTAPOR™ HDPE 00880 is a porous polymer carrier for additives, made from HDPE resin. It is designed to carry additives that are difficult to dose during polymer compounding.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Physical Form	granules	
Melting point	130 °C	ISO 11357-3
Density	0.194 g/cm^3	
Porosity	>70 % (*)	Internal Method

(*) can be regulated to customer needs

Applications

GRAFTAPOR™ HDPE 00880 makes polymer compounding easier by absorbing liquid, powder, low-melting or thermally sensitive additives. It can absorb solid or paste additives with a melting point up to 40 °C below its own melting point.

Processing & Dosage

To load additives into GRAFTAPOR™ HDPE 00880, mix at low speed (5–30 rpm) for 30 min to 72 h. Absorption time depends on the viscosity of the additive. At higher loading temperatures and faster mixing, the porous structure may collapse. Up to 80 % additive can be loaded onto the carrier.

Storage and Transportation

MSDS provided to recommend safe practices during use and storage. Improper storage conditions may cause degradation and affect the product's physical properties. For easy handling and storage, it is normally packed in 8 kg bags (up to 55 bags per pallet).

Store in the original packaging in a cool, dry, well-ventilated area, away from heat sources, moisture and direct sunlight.

Shelf Life

The product does not expire.

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